

Amendments to the Specification:

Please amend without prejudice the paragraph starting on page 3, line 32 as follows:

-- An oscillator 3 for microwave signals, which delivers a continuous high-frequency signal (CW signal), is provided in the radar sensor of Figure 1. This high-frequency signal is supplied, via a signal splitter in the form of hybrid circuit 4, to the input of a transmission-side RF switch 1 for transmitting radar pulses to transmission antenna 5 and to a receive-side RF switch 2, which controls a receive mixer 7 in the signal path to a receive antenna 8. Transmission-side RF switch 1 is controlled by control unit 9, which has a pulse signal source 10, and a delay circuit 11. If pulse signal source 10 delivers a pulse, the high-frequency wave of oscillator 3 is supplied, for the duration of this pulse, to the transmission antenna via RF switch 1. The echo signal reflected from an object is supplied to mixer 7, which receives a reference signal via switch 2 if delay circuit 11 is set for a certain range in which the objects are to be detected according to a desired time gate. If the same high-frequency sources are applied to both inputs of mixer 7, a CF (constant frequency) output signal, proportional to the coincidence, is obtained, which is further processed in an analyzer circuit 12.--.

Amendments to the Drawings:

The accompanying Replacement Sheets for Figures 4 and 5 include a larger version of Figure 4 with labeled spectral lines and a corrected reference character for Figure 5. No new matter has been added, and the Replacement Sheets are supported by the present application, including the specification. Approval and entry are respectfully requested.

Attachments: 2 Replacement Sheets.